

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Sizemore et al.

Serial No.: (not yet assigned)

Filed: (concurrently herewith)

Entitled: ORALLY-ADMINISTERED LIVE  
BACTERIAL VACCINES FOR PLAGUE

Examiner: (not yet assigned)

Art Unit: (not yet assigned)

**US National Stage of Int'l Appln. PCT/US04/41282, filed 12/9/04, designating the US**  
Attorney Docket No.: AVA-434.3P US

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**POWER OF ATTORNEY**

Sir:

The undersigned officer of the assignee of the entire right, title and interest in the invention disclosed in the above-referenced international application hereby appoints:

Leon R. Yankwich	Registration No. 30,237
Thomas R. Berka	Registration No. 39,606
David G. O'Brien	Registration No. 46,125
Michael R. Wesolowski	Registration No. 50,944

of Yankwich & Associates, P.C., 201 Broadway, Cambridge, Massachusetts 02139 to act as its attorneys in entering the national phase in the US and prosecuting the national application, and to transact all business before the Patent and Trademark Office in connection therewith.

Respectfully submitted,

\_\_\_\_\_  
date

\_\_\_\_\_  
M. Timothy Cooke  
Senior Vice President and Chief Executive Officer  
AVANT Immunotherapeutics, Inc.  
119 Fourth Ave.  
Needham, Massachusetts 02494

**Box No. VIII (iv) DECLARATION: INVENTORSHIP** (only for the purposes of the designation of the United States of America)  
*The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.*

**Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv))  
 for the purposes of the designation of the United States of America:**

I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.

This declaration is directed to the international application of which it forms a part (if filing declaration with application).

This declaration is directed to international application No. PCT/US2004/041282 (if furnishing declaration pursuant to Rule 26ter).

I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.

I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.

Prior Applications: U.S. 60/528,140 filed 9 December 2003; U.S. 60/559,259 filed 2 April 2004;  
 U.S. 60/573,517 filed 22 May 2004; U.S. 60/610,474 filed 16 September 2004

I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name: Donata Sizemore

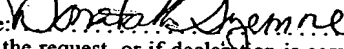
Residence: Grove City, Ohio

(city and either US state, if applicable, or country)

Mailing Address: 2027 Twin Flower Circle

Grove City, Ohio 43123 (US)

Citizenship: US

Inventor's Signature:   
 (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)

Date: 3/30/05  
 (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)

Name: Steven A. Tinge


Residence: Lebanon, Illinois

(city and either US state, if applicable, or country)

Mailing Address: 101 Windy Hill

Lebanon, Illinois 62254 (US)

Citizenship: US

Inventor's Signature:   
 (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)

Date: 3/10/05  
 (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)

☒ This declaration is continued on the following sheet, "Continuation of Box No. VIII (iv)".

**Continuation of Box No. VIII (i) to (v) DECLARATION**

*If the space is insufficient in any of Boxes Nos. VIII (i) to (v) to furnish all the information, including in the case where more than two inventors are to be named in Box No. VIII (iv), in such case, write "Continuation of Box No. VIII ..." (indicate the item number of the Box) and furnish the information in the same manner as required for the purposes of the Box in which the space was insufficient. If additional space is needed in respect of two or more declarations, a separate continuation box must be used for each such declaration. If this Box is not used, this sheet should not be included in the request.*

**Continuation of Box No. VIII (iv) DECLARATION: INVENTORSHIP**  
(only for the purposes of the designation of the United States of America):


Name: Kevin P. Killeen

Residence: Milton, MA

Mailing Address: 1112 Brook Road, Milton, MA 02186

Citizenship: US

Inevntor's Signature:



Date:

3/2/05